

SMD Molded Power Inductor

GCDA1250 Series

FEATURES

- Integrated Shielding Construction
- Alloy Material with Excellent withstanding Current Characteristics
- Featured with High Inductance and Low DCR Characteristics
- Variable Inductance Value (0.22uH ~ 47uH) with Wide Frequency Range
- Operating Range: -45°C~+125°C(Including Self- Temperature Rise)
- RoHS Compliant



PART NUMBER CONSTRUCTION

GCDA1250

Series

4R7

Inductance*

M

Tolerance①

T

Packing②

① Tolerance: M = 20% N = 30%

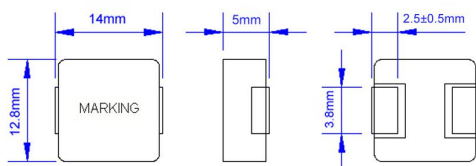
② Packing: B = Bulk T = Tape and Reel

*Refer to Electrical Specification table

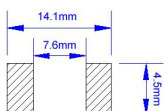
ELECTRICAL SPECIFICATIONS

Part Number	Inductance(μH) ±20%	DCR(mΩ)		Irms (A)	Isat (A)
		Typical	Max		
GCDA1250-R22M	0.22	0.55	0.8	36	60
GCDA1250-R33M	0.33	0.95	1.45	32	55
GCDA1250-R47M	0.47	1.1	1.6	30	50
GCDA1250-R68M	0.68	1.4	2.1	28	45
GCDA1250-1R0M	1.0	2.1	3.2	24	40
GCDA1250-1R5M	1.5	2.6	4.0	18	30
GCDA1250-2R2M	2.2	4.8	7.3	14	26
GCDA1250-3R3M	3.3	6.3	9.5	12	22
GCDA1250-4R7M	4.7	7.5	11.5	10	18
GCDA1250-6R8M	6.8	15	22	9.0	16
GCDA1250-8R2M	8.2	21	26	8.0	16
GCDA1250-100M	10	27.5	35	7.0	14
GCDA1250-150M	15	35	42	6.0	11
GCDA1250-220M	22	43	55	5.0	9.0
GCDA1250-330M	33	72	80	4.0	7.0
GCDA1250-470M	47	103	115	3.0	5.5

PRODUCT DIMENSIONS



RECOMMENDED LANDING PATTERN



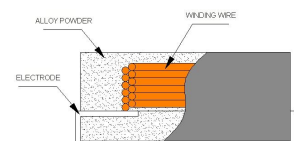
MATERIALS & STRUCTURE

Core: Alloy Powder

Wire: Copper

Terminal: Nickel Plating

Ink: Black



PACKING

500PCS/REEL